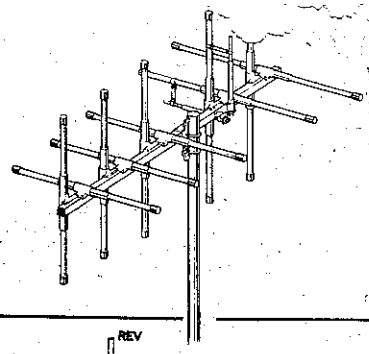
STINGER A2+2

FINCO STINGER AMATEUR BAND RADIO ANTENNA INSTRUCTION MANUAL



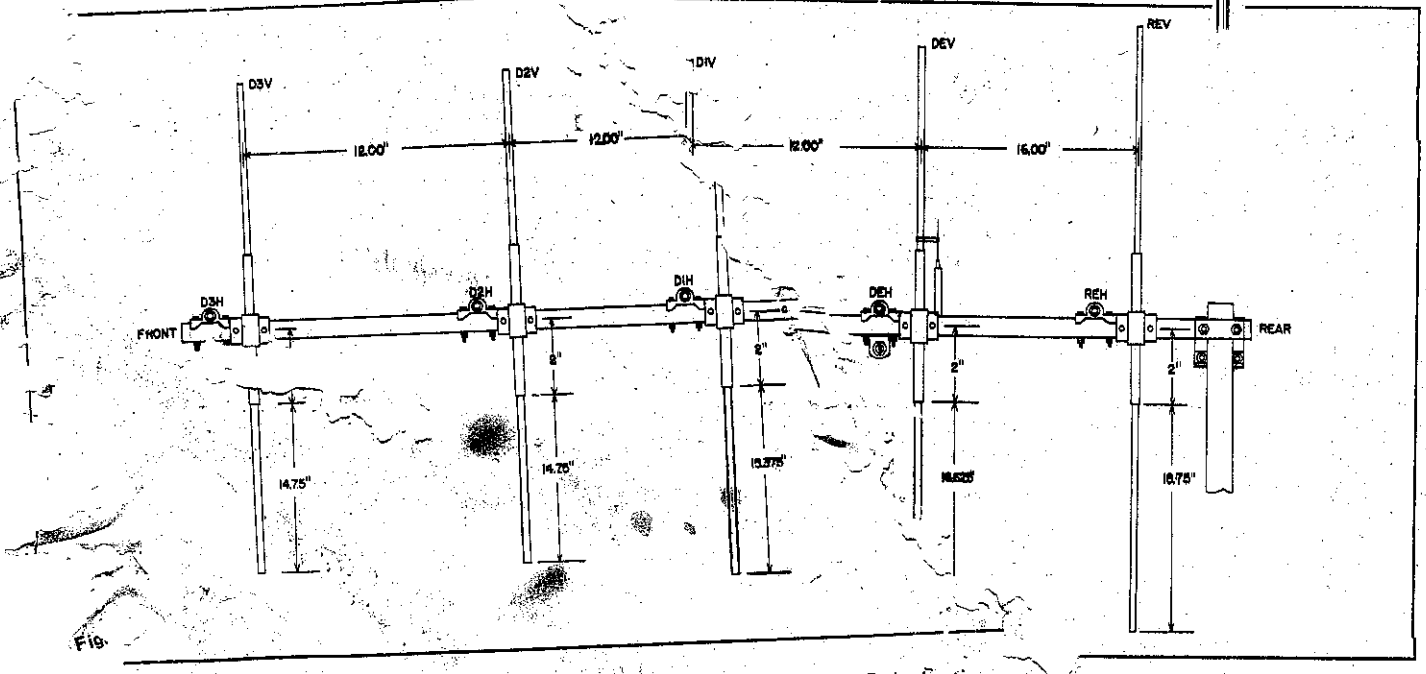


Fig.

DESCRIPTION

odel Stinger A2+2 is a ten element, dual polarization designed for use in the 144 to 148 MHz, 2 meter band for OSCAR communications or where switching izontal to vertical polarizat s required. The A2+2 be phased to operate both izontal and vertical n and circular polarization a ame time. This ideal for OSCAR work but g ur station vergroun communications.

inear elements spacing gives the A2+2 super gain, nce it is a fine element beam in one given plane, the beam width does not make satellite tracking ficult sharp directivity. The dual gamma match as ible a very low V.S.W.R. and will withstand 2000

aluminum tubing is used for all elements plus an igh tensile strength square boom for maximum ease of assembly. Provisions are made for mountin at the end of the boom - for azimuth control - or e of the boom for normal applications.

SPECIFICATIONS

AL	9.5 dB
	10.5 dB
	22 dB
Ratio	
am Width	
arization	
	52°
	58°
zation	
	58°
	52°
Circular Polarization	
E Plane	52°
H Plane	52°
Bandwidth	144 to 148 MHz
Impedance	50 ohms
Matching System	Adjustable Gamma

MECHANICAL

Boom Length	5.5ft.
Longest Element	41.5"
Turning Radius	
End Mount	5.0ft.
Center Mount	4 ft.
Maximum Surface Area	ft.
Wind Load at 80 mph	lbs.
Weight	lbs.

WARNING!

e following steps will include assembly and installa
rvey your installation site NOW to preclude your a
tenna or support from coming in contact with overhea
power lines FAILURE TO EXERCISE THIS CAUTIO
CAN CAUSE ELECTROCUTION.

ASSEMBLY

ASSEMBLY - Refer to Figure 1 for
ELEMENT TO BOOM ASSEMBLY - Each
element placed on the boom in order
(REV/REH) and (DEV/DEH) and (D1V/D1H)
as shown. Use U-bolts, flat washers
and 1/4-20 hex nuts for mounting.

As shown in Figure 2, mount the gamma
and gamma arm bracket to